Table 4B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years (2)

			Comparison of Racial and Ethnic Distribution				
County	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
Alcona	197	93.4	0.0	2.0	0.0	0.0	4.6	0.0
Alger	186	80.1	0.0	0.5	2.7	1.1	15.6	0.0
Allegan	6,810	53.8	3.0	36.7	0.0	1.8	4.7	0.0
Alpena	821	92.2	0.2	1.9	0.0	0.0	5.6	0.0
Antrim	630	90.3	0.0	5.1	0.0	0.2	4.4	0.0
Arenac	530	91.3	0.2	4.2	0.0	0.0	4.3	0.0
Baraga	293	43.0	0.0	1.4	48.1	0.0	7.5	0.0
Barry	1,463	91.3	0.5	4.5	0.0	0.2	3.2	0.3
Bay	2,914	70.3	1.6	16.1	0.1	0.0	11.8	0.1
Benzie	444	78.8	0.5	13.7	0.5	0.0	6.3	0.2
Berrien	4,456	43.6	40.6	6.0	0.3	1.0	8.4	0.2
Branch	1,755	78.8	0.6	16.7	0.0	0.5	3.4	0.1
Calhoun	4,798	52.5	18.5	11.2	0.1	3.4	14.2	0.0
Cass	2,056	53.0	6.6	32.0	0.2	0.3	7.7	0.3
Charlevoix	620	85.3	0.3	4.2	0.2	0.0	10.0	0.0
Cheboygan	613	82.7	0.5	2.3	0.3	0.0	14.2	0.0
Chippewa	1,171	45.4	0.4	3.7	17.3	0.9	32.2	0.0
Clare	1,041	87.9	0.1	5.3	0.1	0.3	6.1	0.2
Clinton	1,067	81.3	1.3	12.6	0.1	0.2	4.6	0.0

(1)   Reporting period is January 1 through December 31.
(2)   Analyses based on one record per child.
(3)   Excludes records with errors.
*   Percentages are not calculated if < 100 records are available for analysis after exclusions.

CDC

Table 4B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years [2]

Comparison of Racial and Ethnic Distribution

County	Number Included in Analysis [3]	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
Crawford	363	91.5	0.0	1.1	0.0	0.0	7.4	0.0
Delta	1,134	82.5	0.0	2.7	1.1	0.1	13.6	0.1
Dickinson	678	85.0	0.0	4.7	0.0	0.4	9.3	0.6
Eaton	1,768	80.8	4.3	7.1	0.1	0.5	7.1	0.1
Emmet	898	85.9	0.6	2.4	1.1	1.2	8.8	0.0
Genesee	11,227	47.2	39.0	5.4	0.1	0.3	8.0	0.0
Gladwin	766	96.3	0.3	2.1	0.0	0.3	1.0	0.0
Gogebic	401	80.0	0.0	5.5	9.5	0.0	4.7	0.2
Gr Travers	2,154	85.5	0.7	6.3	0.3	0.4	6.8	0.0
Gratiot	1,223	80.9	0.1	16.3	0.0	0.1	2.6	0.0
Hillsdale	1,447	91.2	0.2	4.5	0.1	0.1	3.9	0.0
Houghton	958	90.5	0.6	2.1	0.0	2.5	4.3	0.0
Huron	922	90.5	0.2	5.2	0.1	0.3	3.7	0.0
Ingham	7,146	37.0	25.4	20.8	0.0	4.7	12.0	0.0
Ionia	1,903	80.5	0.3	15.8	0.1	0.1	3.3	0.0
Iosco	652	89.9	0.9	4.4	0.2	0.3	4.3	0.0
Iron	358	91.9	0.0	2.5	0.3	0.0	5.3	0.0
Isabella	1,590	82.6	3.7	4.2	1.1	0.9	7.4	0.1
Jackson	5,051	63.8	12.5	8.9	0.1	0.3	14.4	0.0

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

CDC

Table 4B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years [2]

Page: 3
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Comparison of Racial and Ethnic Distribution							
County	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
Kalamazoo	6,940	42.2	30.2	13.0	0.0	0.8	13.6	0.1
Kalkaska	525	90.3	0.0	4.4	0.0	0.2	5.1	0.0
Kent	20,683	33.6	19.9	35.0	0.1	2.1	9.4	0.0
Lake	310	62.6	12.9	5.5	0.0	0.0	18.7	0.3
Lapeer	2,310	74.0	0.2	18.5	0.0	0.0	7.2	0.0
Leelanau	273	49.5	0.4	32.6	7.0	0.4	9.2	1.1
Lenawee	2,292	70.3	1.0	21.6	0.0	0.0	6.9	0.1
Livingston	2,036	89.6	0.6	5.0	0.2	0.9	3.7	0.0
Luce	252	78.2	0.0	0.4	0.4	0.0	20.6	0.4
Mackinac	222	45.0	0.0	2.7	0.9	0.9	50.5	0.0
Macomb	13,608	58.4	21.1	6.7	0.0	3.8	9.9	0.0
Manistee	509	73.3	0.2	12.4	0.0	0.0	14.1	0.0
Marquette	1,399	82.7	0.9	3.9	0.4	0.0	12.2	0.0
Mason	916	77.6	0.4	14.8	0.1	0.3	6.7	0.0
Mecosta	1,226	84.9	3.8	3.2	0.2	0.1	7.6	0.2
Menominee	502	73.3	0.2	4.0	15.1	0.0	7.4	0.0
Midland	2,032	88.5	0.9	3.2	0.1	0.5	6.6	0.1
Missaukee	309	86.4	0.0	11.3	0.0	0.0	2.3	0.0
Monroe	3,409	79.8	4.1	7.9	0.0	0.2	7.8	0.1

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.
*   Percentages are not calculated if < 100 records are available for analysis after exclusions.

CDC

Table 4B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years (2)

Comparison of Racial and Ethnic Distribution							
County	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
Montcalm	1,776	88.3	0.5	6.9	0.1	0.2	3.8	0.2
Montmorenc	228	95.2	0.0	2.6	0.0	0.4	1.8	0.0
Muskegon	7,126	51.7	24.1	12.6	0.1	0.1	11.3	0.0
Newaygo	1,955	74.7	0.1	21.1	0.1	0.1	3.9	0.1
Oakland	17,598	44.1	34.8	12.9	0.1	1.9	6.2	0.0
Oceana	1,142	46.6	0.3	50.2	0.0	0.1	2.8	0.1
Ogemaw	657	90.7	0.2	3.2	0.0	0.0	5.9	0.0
Ontonagon	143	90.9	0.0	4.2	1.4	0.0	3.5	0.0
Osceola	794	94.0	0.6	1.5	0.0	0.0	3.9	0.0
Oscoda	210	91.9	0.0	2.9	0.0	0.5	4.8	0.0
Otsego	913	91.6	0.4	3.0	0.2	0.1	4.7	0.0
Ottawa	2,517	84.3	1.7	8.2	0.0	0.6	5.1	0.0
Presque Is	240	90.8	0.0	2.5	0.4	0.0	6.3	0.0
Roscommon	592	92.9	0.2	1.2	0.2	0.5	5.1	0.0
Saginaw	6,824	36.8	38.0	18.6	0.0	0.3	6.1	0.1
Sanilac	1,099	87.3	0.1	9.3	0.0	0.2	3.2	0.0
Schoolcraf	295	66.1	0.3	1.0	3.7	0.0	28.8	0.0
Shiawassee	1,894	86.9	0.2	6.5	0.1	0.1	6.0	0.2
St Clair	3,979	75.0	4.0	8.5	0.1	0.2	12.2	0.0

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.

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Table 4B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Racial and Ethnic Distribution by County
Children Aged < 5 Years [2]

Comparison of Racial and Ethnic Distribution							
County	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
St Joseph	2,441	69.2	3.1	21.1	0.0	0.1	6.6	0.0
Tuscola	1,657	88.0	1.0	7.3	0.0	0.1	3.7	0.0
Van Buren	2,971	52.6	5.3	36.0	0.1	0.0	5.8	0.2
Washtenaw	5,655	33.3	37.2	12.4	0.2	4.5	12.2	0.1
Wayne	60,979	26.9	55.1	12.1	0.0	2.2	3.7	0.0
Wexford	1,434	91.6	0.1	3.8	0.1	0.2	4.3	0.0
Unknown Counties	534	33.3	21.2	20.2	6.7	2.8	15.7	0.0
Michigan	**257,910**	**51.1**	**25.7**	**14.0**	**0.3**	**1.5**	**7.4**	**0.0**
Nation (Prior Year)	**8,672,965**	**32.5**	**19.1**	**39.7**	**0.9**	**2.5**	**2.7**	**2.5**

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with errors.
*   Percentages are not calculated if < 100 records are available for analysis after exclusions.

CDC

Table 5B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Age Distribution by County
Children Aged < 5 Years [2]

Comparison of Age Distribution				
County	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Alcona	197	28.4	19.8	51.8
Alger	186	28.5	20.4	51.1
Allegan	6,810	28.3	22.9	48.8
Alpena	821	31.5	21.8	46.7
Antrim	630	28.1	20.8	51.1
Arenac	530	28.5	20.8	50.8
Baraga	293	31.7	16.7	51.5
Barry	1,463	29.6	20.4	50.0
Bay	2,914	31.2	22.4	46.4
Benzie	444	27.0	21.2	51.8
Berrien	4,456	32.1	22.6	45.2
Branch	1,755	31.9	18.3	49.8
Calhoun	4,798	32.2	20.2	47.6
Cass	2,056	27.8	21.5	50.6
Charlevoix	620	35.5	16.9	47.6
Cheboygan	613	28.4	23.7	48.0
Chippewa	1,171	34.4	19.0	46.5
Clare	1,041	30.3	21.9	47.8

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Records rejected if date of birth and date of visit unknown.
 * Percentages are not calculated if < 100 records are available for analysis after exclusions.

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Table 5B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Age Distribution by County
Children Aged < 5 Years (2)

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Comparison of Age Distribution				
County	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Clinton	1,067	35.1	19.0	45.9
Crawford	363	25.9	22.3	51.8
Delta	1,134	30.2	20.7	49.0
Dickinson	678	32.2	21.4	46.5
Eaton	1,768	33.7	20.8	45.5
Emmet	898	32.3	23.1	44.7
Genesee	11,227	40.1	18.5	41.4
Gladwin	766	25.7	22.7	51.6
Gogebic	401	34.2	17.5	48.4
Gr Travers	2,154	34.0	20.6	45.4
Gratiot	1,223	32.6	19.5	47.9
Hillsdale	1,447	34.7	18.1	47.2
Houghton	958	32.2	19.5	48.3
Huron	922	34.3	20.4	45.3
Ingham	7,146	34.7	20.4	44.9
Ionia	1,903	30.6	22.2	47.2
Iosco	652	35.6	21.0	43.4
Iron	358	29.3	16.8	53.9

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Records rejected if date of birth and date of visit unknown.
 * Percentages are not calculated if < 100 records are available for analysis after exclusions.

CDC

Table 5B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Age Distribution by County
Children Aged < 5 Years [2]

Comparison of Age Distribution			
County	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Isabella	1,590	30.3	22.9	46.9
Jackson	5,051	32.4	21.1	46.5
Kalamazoo	6,940	31.2	20.7	48.2
Kalkaska	525	26.1	22.9	51.0
Kent	20,683	31.7	19.9	48.5
Lake	310	26.1	18.7	55.2
Lapeer	2,310	32.9	20.4	46.7
Leelanau	273	27.1	21.2	51.6
Lenawee	2,292	36.3	19.9	43.8
Livingston	2,036	30.2	26.1	43.7
Luce	252	27.0	23.0	50.0
Mackinac	222	17.6	30.6	51.8
Macomb	13,608	35.2	22.2	42.6
Manistee	509	25.1	24.4	50.5
Marquette	1,399	31.3	22.2	46.5
Mason	916	27.4	22.4	50.2
Mecosta	1,226	33.6	21.1	45.3
Menominee	502	29.3	20.7	50.0

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Records rejected if date of birth and date of visit unknown.
 * Percentages are not calculated if < 100 records are available for analysis after exclusions.

CDC

Table 5B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Age Distribution by County
Children Aged < 5 Years [2]

	Comparison of Age Distribution			
County	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Midland	2,032	33.8	19.7	46.6
Missaukee	309	32.0	16.2	51.8
Monroe	3,409	33.1	21.9	45.0
Montcalm	1,776	34.0	19.7	46.3
Montmorenc	228	25.0	23.2	51.8
Muskegon	7,126	32.0	20.5	47.5
Newaygo	1,955	27.4	21.6	50.9
Oakland	17,598	38.7	19.3	42.0
Oceana	1,142	23.6	24.1	52.4
Ogemaw	657	33.5	19.9	46.6
Ontonagon	143	25.2	18.2	56.6
Osceola	794	25.8	21.3	52.9
Oscoda	210	32.9	22.9	44.3
Otsego	913	31.3	21.1	47.5
Ottawa	2,517	28.8	21.3	49.9
Presque Is	240	28.8	21.7	49.6
Roscommon	592	33.8	20.4	45.8
Saginaw	6,824	32.5	19.8	47.7

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Records rejected if date of birth and date of visit unknown.
 * Percentages are not calculated if < 100 records are available for analysis after exclusions.

CDC

Table 5B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Age Distribution by County
Children Aged < 5 Years (2)

Comparison of Age Distribution				
County	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Sanilac	1,099	33.8	20.0	46.2
Schoolcraf	295	30.5	18.3	51.2
Shiawassee	1,894	29.8	21.9	48.3
St Clair	3,979	33.0	21.2	45.8
St Joseph	2,441	32.8	19.7	47.5
Tuscola	1,657	30.7	20.0	49.2
Van Buren	2,971	27.8	21.1	51.1
Washtenaw	5,655	35.5	21.1	43.3
Wayne	60,979	36.5	20.2	43.3
Wexford	1,434	33.6	19.4	47.0
Unknown Counties	534	31.3	17.6	51.1
Michigan	**257,910**	**33.8**	**20.6**	**45.6**
Nation (Prior Year)	**8,672,965**	**33.7**	**22.1**	**44.2**

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
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(4) Records rejected if date of birth and date of visit unknown.
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CDC

Table 6B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years [2]

Comparison of Growth and Anemia Indicators [3,4]										
	Birthweight [5]			Height and Weight [3,4]						Anemia Low Hb/Hct [8]
	Low	High		Short Stature	Under-weight	Obese	≥ 2 Yrs Overweight and Obese			
County	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Alcona	37	* *	* *	197	6.1 (67)	2.0 (35)	7.6 (3)	102	16.7 (32)	9.8 (3)	139	14.4 (68)
Alger	30	* *	* *	185	3.2 (3)	0.0 (1)	15.7 (82)	99	* *	* *	127	3.9 (7)
Allegan	1,444	6.9 (18)	7.5 (28)	6,741	4.1 (10)	3.0 (65)	11.9 (52)	3,317	16.8 (36)	14.5 (43)	4,542	22.7 (79)
Alpena	177	5.6 (3)	13.0 (64)	816	5.3 (36)	1.8 (21)	11.4 (46)	373	14.7 (7)	15.0 (54)	541	3.9 (7)
Antrim	121	5.8 (5)	5.0 (4)	622	4.2 (12)	6.1 (81)	7.9 (4)	321	12.8 (3)	10.3 (4)	430	7.9 (32)
Arenac	104	6.7 (15)	11.5 (61)	522	7.5 (78)	1.5 (9)	11.9 (52)	266	16.5 (29)	14.3 (38)	339	10.3 (47)
Baraga	59	* *	* *	291	5.5 (46)	1.4 (6)	16.5 (83)	148	20.9 (71)	20.3 (78)	168	14.9 (70)
Barry	283	7.4 (27)	8.1 (39)	1,425	4.1 (10)	2.7 (57)	10.2 (22)	716	14.7 (7)	13.1 (28)	1,017	5.3 (14)
Bay	628	9.1 (47)	8.9 (46)	2,892	6.4 (70)	1.6 (12)	10.4 (26)	1,343	16.2 (23)	14.7 (49)	1,986	9.6 (44)
Benzie	81	* *	* *	437	5.3 (36)	4.8 (79)	12.8 (68)	228	18.0 (54)	14.0 (36)	317	4.7 (11)
Berrien	1,084	10.1 (57)	7.9 (34)	4,377	5.8 (56)	2.3 (45)	10.7 (32)	1,992	15.9 (19)	14.5 (43)	2,927	9.0 (41)

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

CDC

2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators (3,4)

| County | Birthweight (5) | | | Height and Weight (3,4) | | | | | | | Anemia Low Hb/Hct (8) | |
| | | Low | High | | Short Stature | Under-weight | Obese | ≥ 2 Yrs Overweight and Obese | | | | |
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Branch	344	8.1 (36)	10.2 (55)	1,732	7.0 (76)	2.0 (35)	14.3 (77)	878	17.7 (52)	14.6 (46)	1,189	4.0 (9)
Calhoun	1,042	8.4 (42)	8.7 (43)	4,739	6.5 (71)	2.5 (51)	13.7 (74)	2,258	18.0 (54)	16.2 (65)	3,230	16.4 (72)
Cass	389	8.2 (39)	7.2 (24)	2,028	4.2 (12)	2.5 (51)	11.3 (40)	1,018	18.8 (65)	13.3 (30)	1,401	30.5 (82)
Charlevoix	138	5.1 (1)	10.9 (58)	601	5.2 (32)	1.8 (21)	8.8 (7)	290	18.3 (61)	12.8 (20)	417	5.0 (12)
Cheboygan	130	6.9 (18)	6.2 (11)	609	4.3 (16)	1.8 (21)	11.3 (40)	299	16.4 (26)	14.7 (49)	409	13.7 (66)
Chippewa	260	6.5 (12)	14.2 (65)	1,159	4.5 (19)	3.0 (65)	13.1 (72)	536	17.5 (50)	14.7 (49)	750	5.3 (14)
Clare	230	6.1 (8)	7.0 (20)	1,029	5.5 (46)	2.0 (35)	11.3 (40)	489	14.9 (9)	15.3 (58)	676	15.8 (71)
Clinton	227	7.9 (32)	7.0 (20)	1,056	5.7 (52)	4.5 (78)	10.5 (27)	486	16.7 (32)	13.6 (34)	722	3.6 (5)
Crawford	68	* *	* *	357	7.6 (79)	1.4 (6)	12.6 (64)	183	24.6 (79)	20.2 (77)	245	13.1 (64)
Delta	254	9.1 (47)	8.7 (43)	1,122	7.6 (79)	1.0 (4)	12.7 (66)	546	15.9 (19)	17.2 (72)	702	3.0 (3)
Dickinson	165	7.3 (26)	7.3 (25)	669	5.8 (56)	1.0 (4)	11.2 (38)	311	16.4 (26)	12.9 (23)	458	6.1 (20)

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
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Table 6B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators (3,4)

County	Birthweight (5)			Height and Weight (3,4)							Anemia Low Hb/Hct (8)	
	Number	Low % <2500 g (Rank)	High % >4000 g (Rank)	Number	Short Stature % (Rank)	Under-weight % (Rank)	Obese % (Rank)	Number	≥ 2 Yrs Overweight and Obese % Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Eaton	401	7.7 (30)	9.2 (48)	1,749	6.2 (68)	2.6 (53)	12.2 (56)	789	16.9 (37)	16.3 (66)	1,147	5.2 (13)
Emmet	180	8.9 (46)	9.4 (49)	889	4.8 (23)	1.8 (21)	11.2 (38)	413	18.9 (66)	12.3 (11)	604	7.3 (29)
Genesee	2,871	11.2 (63)	4.9 (3)	11,100	6.8 (74)	2.6 (53)	10.3 (25)	4,568	16.0 (21)	12.6 (16)	6,872	17.2 (74)
Gladwin	138	8.7 (43)	8.7 (43)	760	5.1 (29)	2.2 (43)	12.5 (62)	386	18.1 (58)	16.3 (66)	525	11.0 (50)
Gogebic	83	* *	* *	398	3.8 (7)	2.3 (45)	12.1 (55)	195	21.5 (75)	16.9 (71)	250	3.6 (5)
Gr Travers	556	10.3 (59)	10.8 (57)	2,085	4.8 (23)	6.9 (82)	11.0 (35)	958	16.3 (25)	12.5 (14)	1,286	12.5 (57)
Gratiot	262	7.6 (29)	5.3 (5)	1,209	5.8 (56)	2.6 (53)	11.0 (35)	574	12.4 (2)	13.6 (34)	773	5.7 (18)
Hillsdale	308	8.8 (44)	8.4 (41)	1,432	5.4 (41)	1.5 (9)	8.9 (8)	676	17.2 (43)	11.5 (6)	966	2.3 (2)
Houghton	190	5.8 (5)	7.9 (34)	955	5.7 (52)	1.6 (12)	7.4 (2)	468	13.7 (4)	8.8 (2)	570	8.1 (35)
Huron	196	9.7 (54)	10.7 (56)	911	5.9 (63)	3.0 (65)	14.6 (79)	412	15.8 (18)	16.5 (68)	609	8.5 (39)
Ingham	1,708	7.8 (31)	8.0 (38)	7,066	5.3 (36)	3.3 (70)	11.5 (48)	3,185	17.5 (50)	13.2 (29)	4,631	12.3 (55)

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
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Table 6B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years [2]

Comparison of Growth and Anemia Indicators [3,4]

| County | Birthweight [5] | | | Height and Weight [3,4] | | | | | | | Anemia Low Hb/Hct [8] | |
| | Low | High | | | Short Stature | Under-weight | Obese | | > 2 Yrs Overweight and Obese | | | |
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Ionia	425	8.2 (39)	6.8 (17)	1,875	4.8 (23)	3.4 (72)	9.6 (17)	878	20.3 (69)	12.3 (11)	1,296	8.0 (34)
Iosco	171	5.8 (5)	12.3 (63)	646	6.7 (73)	4.3 (77)	13.2 (73)	285	17.2 (43)	16.5 (68)	405	11.1 (51)
Iron	75	* *	* *	356	7.6 (79)	2.2 (43)	12.6 (64)	196	27.0 (80)	14.3 (38)	248	9.7 (45)
Isabella	363	6.9 (18)	5.5 (7)	1,572	5.2 (32)	3.0 (65)	10.2 (22)	734	17.0 (39)	14.2 (37)	1,081	6.2 (21)
Jackson	1,131	10.1 (57)	7.9 (34)	4,915	4.6 (21)	3.3 (70)	9.4 (13)	2,277	17.2 (43)	12.9 (23)	2,934	13.7 (66)
Kalamazoo	1,465	9.5 (51)	7.8 (32)	6,790	4.9 (27)	3.7 (75)	11.8 (51)	3,275	16.9 (37)	12.8 (20)	4,620	27.4 (81)
Kalkaska	101	7.9 (32)	9.9 (53)	518	5.6 (50)	0.8 (2)	9.5 (15)	269	14.9 (9)	13.4 (32)	361	12.5 (57)
Kent	4,420	9.3 (50)	8.1 (39)	20,441	6.0 (64)	1.9 (28)	11.3 (40)	9,898	17.4 (49)	13.5 (33)	13,863	12.5 (57)
Lake	64	* *	* *	296	5.4 (41)	2.7 (57)	12.2 (56)	167	18.0 (54)	15.0 (54)	215	12.6 (61)
Lapeer	541	7.9 (32)	7.4 (27)	2,244	5.8 (56)	2.7 (57)	12.2 (56)	1,047	17.3 (47)	15.8 (62)	1,508	8.2 (36)
Leelanau	48	* *	* *	266	3.4 (4)	1.9 (28)	13.9 (75)	143	21.0 (72)	12.6 (16)	202	13.4 (65)

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
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Table 6B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years [2]

	Comparison of Growth and Anemia Indicators [3,4]										
	Birthweight [5]			Height and Weight [3,4]							Anemia Low Hb/Hct [8]	
		Low	High		Short Stature	Under-weight	Obese	> 2 Yrs Overweight and Obese				
County	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Lenawee	615	7.5 (28)	6.3 (14)	2,272	5.5 (46)	2.9 (63)	12.3 (59)	991	21.2 (74)	15.6 (61)	1,220	6.9 (26)
Livingston	516	6.4 (10)	10.9 (58)	2,021	5.8 (56)	1.6 (12)	10.2 (22)	883	15.7 (17)	14.6 (46)	1,351	5.6 (16)
Luce	49	* *	* *	249	4.0 (9)	3.2 (69)	10.8 (33)	119	18.5 (63)	16.8 (70)	182	8.8 (40)
Mackinac	33	* *	* *	220	5.0 (28)	1.4 (6)	14.1 (76)	111	18.0 (54)	19.8 (76)	142	7.7 (31)
Macomb	3,437	9.9 (56)	6.1 (10)	13,423	5.8 (56)	1.9 (28)	11.3 (40)	5,738	15.3 (14)	12.9 (23)	8,698	12.5 (57)
Manistee	90	* *	* *	498	3.4 (4)	2.4 (47)	12.4 (61)	255	19.2 (67)	17.3 (73)	357	10.9 (49)
Marquette	318	6.9 (18)	8.5 (42)	1,355	6.3 (69)	2.1 (40)	12.5 (62)	631	18.4 (62)	15.5 (60)	848	9.3 (43)
Mason	182	7.1 (25)	3.8 (1)	900	5.7 (52)	0.8 (2)	12.0 (54)	454	21.8 (76)	15.0 (54)	634	12.8 (63)
Mecosta	275	5.5 (2)	9.1 (47)	1,221	5.5 (46)	1.6 (12)	9.2 (11)	549	17.1 (40)	12.8 (20)	832	5.9 (19)
Menominee	110	6.4 (10)	10.0 (54)	495	5.3 (36)	1.6 (12)	12.7 (66)	241	19.9 (68)	14.5 (43)	315	7.3 (29)
Midland	439	9.6 (52)	9.6 (52)	2,013	5.3 (36)	1.7 (17)	12.9 (71)	935	15.1 (12)	14.4 (41)	1,257	8.2 (36)

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
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Table 6B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

County	Birthweight (5)			Height and Weight (3,4)							Anemia Low Hb/Hct (8)	
		Low	High		Short Stature	Under-weight	Obese		≥ 2 Yrs Overweight and Obese			
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Missaukee	67	* *	* *	304	4.6 (21)	2.0 (35)	8.9 (8)	155	16.1 (22)	12.3 (11)	208	9.1 (42)
Monroe	792	9.7 (54)	6.9 (19)	3,376	6.9 (75)	1.9 (28)	11.7 (50)	1,511	16.7 (32)	14.9 (53)	2,294	8.3 (38)
Montcalm	374	6.1 (8)	7.8 (32)	1,755	7.0 (76)	1.8 (21)	11.3 (40)	813	15.6 (16)	15.0 (54)	1,194	6.4 (22)
Montmorenc	41	* *	* *	223	3.6 (6)	1.8 (21)	14.3 (77)	114	14.0 (6)	21.1 (79)	152	0.7 (1)
Muskegon	1,674	9.6 (52)	5.9 (9)	7,018	5.2 (32)	3.7 (75)	10.0 (20)	3,341	17.2 (43)	12.5 (14)	4,698	17.6 (75)
Newaygo	384	6.5 (12)	12.2 (62)	1,926	5.6 (50)	1.7 (17)	11.4 (46)	995	21.1 (73)	12.6 (16)	1,360	12.3 (55)
Oakland	4,426	10.4 (60)	6.2 (11)	17,352	6.0 (64)	2.8 (62)	8.7 (6)	7,312	14.9 (9)	11.9 (8)	11,150	14.6 (69)
Oceana	169	10.7 (61)	7.1 (23)	1,106	5.4 (41)	2.4 (47)	14.6 (79)	586	22.7 (78)	18.6 (75)	839	12.6 (61)
Ogemaw	165	6.7 (15)	6.7 (16)	650	6.5 (71)	1.8 (21)	12.3 (59)	301	21.9 (77)	17.6 (74)	430	7.9 (32)
Ontonagon	28	* *	* *	142	4.2 (12)	2.1 (40)	9.9 (19)	84	* *	* *	85	* *
Osceola	160	6.9 (18)	7.5 (28)	783	4.2 (12)	1.9 (28)	10.5 (27)	407	18.2 (60)	14.7 (49)	542	16.4 (72)

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Table 6B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

| County | Birthweight (5) | | | Height and Weight (3,4) | | | | | | | Anemia Low Hb/Hct (8) | |
| | Low | | High | | Short Stature | Under-weight | Obese | ≥ 2 Yrs Overweight and Obese | | | | |
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Oscoda	46	* *	* *	210	4.3 (16)	1.9 (28)	10.0 (20)	92	* *	* *	124	5.6 (16)
Otsego	201	12.4 (65)	7.5 (28)	899	4.4 (18)	2.7 (57)	9.6 (17)	433	17.1 (40)	12.9 (23)	594	7.2 (27)
Ottawa	514	8.8 (44)	11.1 (60)	2,481	5.2 (32)	2.9 (63)	10.8 (33)	1,252	16.4 (26)	10.9 (5)	1,655	26.0 (80)
Presque Is	43	* *	* *	237	3.0 (2)	1.7 (17)	11.0 (35)	117	17.1 (40)	15.4 (59)	152	10.5 (48)
Roscommon	148	8.1 (36)	6.8 (17)	581	7.6 (79)	2.1 (40)	9.5 (15)	265	15.1 (12)	14.3 (38)	371	3.5 (4)
Saginaw	1,514	11.5 (64)	7.3 (25)	6,668	5.1 (29)	2.4 (47)	12.8 (68)	3,230	17.3 (47)	15.9 (63)	4,622	11.5 (52)
Sanilac	244	7.0 (24)	6.6 (15)	1,090	3.9 (8)	2.4 (47)	9.4 (13)	497	16.7 (32)	13.3 (30)	755	6.5 (23)
Schoolcraf	58	* *	* *	293	2.4 (1)	9.6 (83)	4.8 (1)	147	7.5 (1)	6.1 (1)	195	7.2 (27)
Shiawassee	429	8.2 (39)	5.8 (8)	1,860	4.8 (23)	4.9 (80)	11.6 (49)	901	17.9 (53)	16.1 (64)	1,277	4.5 (10)
St Clair	921	6.9 (18)	6.2 (11)	3,926	5.7 (52)	1.9 (28)	7.9 (4)	1,777	16.5 (29)	11.9 (8)	2,604	6.6 (25)
St Joseph	542	8.1 (36)	9.4 (49)	2,414	7.6 (79)	2.6 (53)	10.6 (30)	1,161	18.5 (63)	13.0 (27)	1,671	11.5 (52)

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
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Table 6B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

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Comparison of Growth and Anemia Indicators (3,4)

County	Birthweight (5)			Height and Weight (3,4)							Anemia Low Hb/Hct (8)	
		Low	High		Short Stature	Under-weight	Obese		> 2 Yrs Overweight and Obese			
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Tuscola	331	7.9 (32)	7.9 (34)	1,647	5.4 (41)	1.5 (9)	9.2 (11)	804	13.9 (5)	12.1 (10)	1,176	6.5 (23)
Van Buren	570	6.8 (17)	7.5 (28)	2,930	4.5 (19)	2.7 (57)	12.8 (68)	1,503	18.1 (58)	14.6 (46)	2,124	19.7 (77)
Washtenaw	1,376	9.1 (47)	7.0 (20)	5,580	5.8 (56)	2.0 (35)	10.6 (30)	2,419	16.6 (31)	14.4 (41)	3,631	19.6 (76)
Wayne	14,865	11.0 (62)	5.4 (6)	59,948	6.0 (64)	3.6 (74)	10.5 (27)	25,984	15.5 (15)	11.8 (7)	37,990	21.4 (78)
Wexford	320	6.6 (14)	9.4 (49)	1,422	5.1 (29)	1.7 (17)	8.9 (8)	666	16.2 (23)	12.6 (16)	992	10.0 (46)
Unknown Counties	124	5.6 (3)	4.8 (2)	467	5.4 (41)	3.4 (72)	15.6 (81)	240	20.4 (70)	22.5 (80)	329	12.2 (54)
Michigan	**59,582**	**9.4**	**6.9**	**254,034**	**5.7**	**2.8**	**10.9**	**116,006**	**16.6**	**13.3**	**166,748**	**15.0**
Nation (Prior Year)	**1,851,546**	**9.0**	**6.3**	**8,057,124**	**6.3**	**3.6**	**12.4**	**3,572,939**	**16.1**	**14.4**	**5,391,027**	**14.6**

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(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County (2)
Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)													
	Breastfeeding (6)						Exclusive Breastfeeding (7)				<u>≤</u>2 Hours TV Viewing/Day (8)		Smoking in Household
County	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Alcona	39	* *	28	* *	29	* *	18	* *	26	* *	104	85.6 (57)	197	7.1 (47)
Alger	30	* *	30	* *	28	* *	21	* *	29	* *	101	82.2 (71)	186	7.0 (44)
Allegan	1,488	71.9 (19)	1,097	25.2 (13)	1,173	11.8 (10)	840	21.0 (13)	1,006	8.0 (27)	3,514	88.0 (38)	6,785	3.8 (8)
Alpena	177	51.4 (63)	157	19.1 (35)	157	10.8 (17)	126	23.0 (9)	155	8.4 (21)	409	91.9 (12)	817	5.1 (21)
Antrim	127	85.8 (1)	102	22.5 (21)	101	9.9 (26)	71	* *	95	* *	341	87.7 (42)	630	7.9 (59)
Arenac	104	60.6 (49)	95	* *	89	* *	67	* *	86	* *	287	84.3 (63)	530	10.2 (71)
Baraga	59	* *	47	* *	44	* *	36	* *	43	* *	158	86.1 (54)	292	4.5 (17)
Barry	284	68.3 (32)	284	19.4 (34)	267	10.5 (20)	189	21.7 (12)	277	9.0 (20)	768	90.6 (23)	1,459	3.6 (6)
Bay	635	58.0 (55)	517	13.5 (55)	540	5.2 (55)	464	12.7 (38)	502	3.4 (53)	1,446	94.3 (5)	2,913	6.9 (42)
Benzie	81	* *	63	* *	67	* *	50	* *	60	* *	236	92.8 (8)	444	3.2 (4)
Berrien	1,088	50.3 (64)	686	14.6 (49)	795	8.8 (34)	506	11.9 (44)	672	5.2 (43)	2,134	76.3 (78)	4,450	7.7 (57)
Branch	347	58.8 (53)	291	21.0 (27)	236	9.7 (27)	250	16.8 (26)	282	9.9 (14)	929	82.3 (70)	1,753	7.2 (50)
Calhoun	1,047	57.9 (56)	784	12.5 (58)	750	4.1 (57)	648	9.9 (50)	734	3.8 (50)	2,434	89.4 (29)	4,794	5.4 (24)

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(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
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CDC

Table 7B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County [2]
Children Aged < 5 Years [3]

Comparison of Breastfeeding, TV Viewing, and Smoking in Household [4,5]

County	Breastfeeding [6]						Exclusive Breastfeeding [7]				≤2 Hours TV Viewing/Day [8]		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Cass	402	66.4 (37)	339	20.1 (29)	345	10.1 (22)	268	13.1 (35)	313	8.3 (23)	1,100	86.9 (48)	2,049	6.3 (33)
Charlevoix	144	81.9 (3)	99	* *	91	* *	93	* *	96	* *	317	90.9 (19)	619	5.7 (28)
Cheboygan	130	61.5 (48)	89	* *	105	9.5 (30)	63	* *	81	* *	321	86.9 (48)	613	8.5 (64)
Chippewa	259	68.7 (30)	177	31.1 (5)	148	14.9 (4)	166	32.5 (3)	165	21.8 (1)	581	86.9 (48)	1,170	6.8 (40)
Clare	231	62.3 (47)	172	12.8 (57)	193	6.7 (51)	147	12.9 (37)	169	1.8 (57)	528	88.8 (33)	1,041	13.2 (76)
Clinton	226	81.4 (5)	220	25.5 (12)	165	11.5 (13)	177	27.1 (6)	210	9.5 (15)	518	87.1 (45)	1,066	3.8 (8)
Crawford	68	* *	51	* *	61	* *	29	* *	50	* *	197	89.3 (30)	363	6.1 (30)
Delta	254	65.0 (43)	184	20.1 (29)	168	8.3 (38)	159	17.6 (24)	177	6.2 (37)	595	93.8 (6)	1,128	5.9 (29)
Dickinson	165	66.1 (38)	121	22.3 (23)	113	8.0 (44)	92	* *	117	9.4 (16)	336	89.0 (32)	678	3.7 (7)
Eaton	408	74.5 (11)	376	19.9 (31)	335	7.8 (46)	276	19.2 (17)	353	9.1 (18)	847	88.1 (37)	1,766	4.2 (15)
Emmet	197	80.2 (6)	158	33.5 (3)	137	19.7 (1)	135	34.8 (1)	147	10.9 (11)	440	90.2 (24)	896	5.5 (25)
Genesee	2,872	51.9 (61)	2,480	11.4 (59)	1,642	5.7 (54)	2,026	8.1 (52)	2,361	3.3 (54)	4,826	79.2 (76)	11,196	6.7 (36)
Gladwin	138	65.9 (39)	125	27.2 (9)	148	8.8 (34)	84	* *	118	14.4 (5)	420	92.9 (7)	766	16.2 (80)

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CDC

Table 7B
2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County [2]
Children Aged < 5 Years [3]

Comparison of Breastfeeding, TV Viewing, and Smoking in Household [4,5]

County	Breastfeeding [6]						Exclusive Breastfeeding [7]				<2 Hours TV Viewing/Day [8]		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Gogebic	83	* *	73	* *	55	* *	54	* *	69	* *	209	88.0 (38)	400	7.8 (58)
Gr Travers	556	81.8 (4)	353	39.9 (1)	368	14.9 (4)	219	32.9 (2)	331	15.4 (2)	1,023	91.9 (12)	2,151	2.8 (3)
Gratiot	265	72.1 (17)	201	18.4 (39)	165	9.1 (33)	174	19.5 (15)	196	9.2 (17)	628	86.3 (53)	1,222	8.8 (68)
Hillsdale	312	69.9 (27)	240	23.8 (18)	199	10.1 (22)	219	18.3 (20)	221	10.0 (12)	721	91.4 (15)	1,447	6.9 (42)
Houghton	190	82.6 (2)	166	34.3 (2)	140	17.9 (2)	131	19.1 (18)	158	11.4 (9)	500	95.6 (2)	958	0.8 (1)
Huron	196	56.1 (57)	165	15.2 (47)	146	6.8 (50)	141	16.3 (27)	162	3.7 (51)	452	94.9 (4)	922	6.7 (36)
Ingham	1,722	70.3 (24)	1,325	20.8 (28)	1,144	10.7 (18)	997	10.8 (47)	1,227	5.6 (41)	3,385	81.9 (72)	7,134	5.3 (23)
Ionia	425	70.4 (23)	367	16.9 (43)	366	10.1 (22)	290	13.1 (35)	343	8.2 (25)	951	89.8 (27)	1,902	6.7 (36)
Iosco	175	70.3 (24)	115	17.4 (41)	110	8.2 (41)	85	* *	108	3.7 (51)	299	87.3 (43)	652	8.9 (69)
Iron	75	* *	47	* *	41	* *	39	* *	43	* *	207	91.3 (16)	358	7.0 (44)
Isabella	363	76.3 (9)	295	23.7 (19)	277	9.7 (27)	214	18.7 (19)	276	7.6 (33)	796	90.1 (25)	1,590	6.8 (40)
Jackson	1,136	63.0 (46)	1,070	14.5 (50)	900	8.1 (43)	758	12.5 (40)	1,005	6.2 (37)	2,450	83.3 (69)	5,031	7.0 (44)
Kalamazoo	1,495	64.9 (44)	1,134	22.8 (20)	1,097	11.1 (14)	975	17.0 (25)	1,069	7.7 (31)	3,496	76.1 (79)	6,934	6.2 (32)

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(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
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Table 7B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County
Children Aged < 5 Years (3)

Page: 22
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(2)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

County	Breastfeeding (6)						Exclusive Breastfeeding (7)				<=2 Hours TV Viewing/Day (8)		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Kalkaska	101	79.2 (7)	72	* *	90	* *	51	* *	72	* *	288	89.2 (31)	525	7.2 (50)
Kent	4,449	65.1 (42)	3,711	22.0 (25)	3,141	11.1 (14)	2,954	14.1 (31)	3,442	8.4 (21)	10,635	86.7 (52)	20,604	3.3 (5)
Lake	64	* *	40	* *	37	* *	31	* *	38	* *	183	83.6 (67)	310	16.8 (82)
Lapeer	544	67.8 (35)	419	18.1 (40)	387	8.3 (38)	346	13.6 (32)	402	6.7 (35)	1,132	90.1 (25)	2,309	4.1 (12)
Leelanau	48	* *	34	* *	47	* *	26	* *	33	* *	150	88.0 (38)	272	5.5 (25)
Lenawee	623	69.7 (29)	415	19.5 (33)	355	10.4 (21)	343	15.2 (28)	392	7.1 (34)	1,067	76.9 (77)	2,196	4.6 (18)
Livingston	514	69.8 (28)	355	27.3 (8)	391	10.0 (25)	262	21.8 (11)	340	10.0 (12)	946	92.1 (11)	2,035	4.4 (16)
Luce	48	* *	36	* *	48	* *	24	* *	33	* *	125	91.2 (17)	252	7.5 (54)
Mackinac	33	* *	27	* *	48	* *	15	* *	27	* *	127	85.0 (60)	220	9.5 (70)
Macomb	3,447	59.4 (52)	2,413	15.8 (46)	2,447	7.1 (48)	2,180	9.4 (51)	2,269	5.3 (42)	6,096	81.2 (75)	13,564	4.0 (11)
Manistee	90	* *	82	* *	88	* *	65	* *	78	* *	276	85.1 (58)	509	7.1 (47)
Marquette	318	73.6 (12)	252	22.2 (24)	255	10.6 (19)	201	17.9 (21)	241	7.9 (30)	693	88.2 (36)	1,398	4.6 (18)
Mason	182	67.0 (36)	155	27.1 (10)	158	13.9 (6)	125	23.2 (8)	150	8.0 (27)	486	88.7 (34)	915	6.1 (30)

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CDC

2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County [2]
Children Aged < 5 Years [3]

Comparison of Breastfeeding, TV Viewing, and Smoking in Household [4,5]

County	Breastfeeding [6]						Exclusive Breastfeeding [7]				≤2 Hours TV Viewing/Day [8]		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Mecosta	276	72.1 (17)	242	18.6 (38)	208	5.8 (53)	221	22.2 (10)	241	12.0 (8)	591	96.6 (1)	1,224	5.0 (20)
Menominee	110	68.2 (33)	83	* *	87	* *	68	* *	78	* *	260	90.8 (20)	498	6.6 (35)
Midland	439	73.6 (12)	383	26.4 (11)	323	8.7 (36)	325	24.9 (7)	362	9.1 (18)	998	90.7 (22)	1,990	4.1 (12)
Missaukee	67	* *	52	* *	49	* *	51	* *	51	* *	166	88.6 (35)	309	13.6 (78)
Monroe	795	63.9 (45)	675	16.4 (45)	603	8.0 (44)	542	13.5 (33)	647	6.0 (39)	1,638	83.8 (65)	3,409	6.7 (36)
Montcalm	373	71.0 (21)	336	16.7 (44)	278	8.3 (38)	260	14.6 (30)	324	7.7 (31)	870	89.5 (28)	1,773	7.3 (52)
Montmorenc	41	* *	34	* *	40	* *	24	* *	32	* *	129	83.7 (66)	228	7.9 (59)
Muskegon	1,677	54.9 (59)	1,086	15.0 (48)	1,117	7.0 (49)	1,019	12.1 (43)	1,043	4.4 (47)	3,571	85.0 (60)	7,097	7.1 (47)
Newaygo	387	70.8 (22)	281	22.4 (22)	308	11.7 (12)	222	12.6 (39)	269	8.2 (25)	1,067	85.7 (56)	1,949	8.6 (65)
Oakland	4,474	55.5 (58)	3,330	19.8 (32)	2,520	9.4 (31)	2,985	11.0 (46)	3,199	6.0 (39)	7,815	81.7 (74)	17,585	3.9 (10)
Oceana	170	73.5 (15)	192	24.5 (15)	221	13.6 (7)	145	17.9 (21)	187	8.0 (27)	639	81.8 (73)	1,140	8.0 (62)
Ogemaw	167	59.9 (51)	111	14.4 (52)	97	* *	95	* *	108	4.6 (45)	327	84.1 (64)	656	11.0 (73)
Ontonagon	28	* *	12	* *	17	* *	12	* *	12	* *	86	* *	143	10.5 (72)

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2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County [2]
Children Aged < 5 Years [3]

Comparison of Breastfeeding, TV Viewing, and Smoking in Household [4,5]

County	Breastfeeding [6]						Exclusive Breastfeeding [7]				≤2 Hours TV Viewing/Day [8]		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Osceola	160	68.1 (34)	128	17.2 (42)	134	8.2 (41)	105	12.4 (42)	120	6.7 (35)	434	95.4 (3)	793	13.4 (77)
Oscoda	47	* *	44	* *	35	* *	31	* *	43	* *	98	* *	210	14.3 (79)
Otsego	210	76.7 (8)	167	29.3 (7)	155	11.0 (16)	126	27.8 (5)	151	14.6 (4)	456	90.8 (20)	912	12.9 (75)
Ottawa	539	75.7 (10)	383	30.5 (6)	417	11.8 (10)	298	27.9 (4)	363	15.2 (3)	1,323	92.2 (10)	2,506	1.8 (2)
Presque Is	43	* *	34	* *	46	* *	36	* *	34	* *	124	84.7 (62)	240	21.7 (83)
Roscommon	148	73.6 (12)	123	24.4 (16)	93	* *	87	* *	116	11.2 (10)	294	92.5 (9)	592	6.3 (33)
Saginaw	1,517	51.9 (61)	1,011	14.5 (50)	964	3.1 (58)	864	10.1 (49)	902	4.9 (44)	3,466	85.1 (58)	6,762	8.6 (65)
Sanilac	244	65.6 (41)	232	21.1 (26)	168	13.1 (8)	196	17.9 (21)	227	4.4 (47)	534	86.0 (55)	1,091	7.9 (59)
Schoolcraf	58	* *	55	* *	37	* *	51	* *	54	* *	161	87.0 (47)	294	12.6 (74)
Shiawassee	431	70.3 (24)	361	18.8 (37)	322	7.5 (47)	287	12.5 (40)	330	2.4 (56)	930	91.1 (18)	1,890	8.3 (63)
St Clair	920	58.3 (54)	817	14.1 (54)	714	4.9 (56)	601	11.3 (45)	769	4.0 (49)	1,912	87.3 (43)	3,974	8.7 (67)
St Joseph	547	65.8 (40)	436	25.0 (14)	372	9.4 (31)	350	14.9 (29)	412	13.3 (6)	1,246	86.8 (51)	2,440	4.1 (12)
Tuscola	331	52.0 (60)	291	13.1 (56)	247	8.5 (37)	232	10.3 (48)	285	1.8 (57)	865	91.8 (14)	1,657	7.4 (53)

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Table 7B
2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County
Children Aged < 5 Years (3)

Page: 25
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(2)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

County	Breastfeeding (6)			Exclusive Breastfeeding (7)		<2 Hours TV Viewing/Day (8)	Smoking in Household
	Number % Ever Breastfed (Rank)	Number % Breastfed At Least 6 Months (Rank)	Number % Breastfed At Least 12 Months (Rank)	Number % Breastfed At Least 3 Months (Rank)	Number % Breastfed At Least 6 Months (Rank)	Number % (Rank)	Number % (Rank)
Van Buren	578 71.1 (20)	453 24.1 (17)	518 12.4 (9)	383 20.4 (14)	420 8.3 (23)	1,601 87.1 (45)	2,964 5.6 (27)
Washtenaw	1,388 68.7 (30)	1,101 32.7 (4)	958 17.5 (3)	918 19.5 (15)	1,035 12.9 (7)	2,606 83.5 (68)	5,608 5.2 (22)
Wayne	15,074 47.8 (65)	11,266 14.3 (53)	9,649 5.9 (52)	9,582 5.3 (53)	10,744 2.6 (55)	27,880 75.5 (80)	60,837 7.6 (55)
Wexford	320 73.1 (16)	272 19.1 (35)	238 9.7 (27)	219 13.2 (34)	268 4.5 (46)	708 87.9 (41)	1,434 7.6 (55)
Unknown Counties	140 60.0 (50)	84 * *	74 * *	78 * *	80 * *	259 69.9 (81)	487 16.4 (81)
Michigan	**60,153 59.5**	**46,409 18.4**	**41,436 8.5**	**38,333 12.2**	**43,955 5.9**	**124,262 83.2**	**257,103 6.2**
Nation (Prior Year)	**1,689,615 63.2**	**908,604 25.1**	**1,069,942 16.9**	**363,039 10.7**	**466,279 6.1**	**1,200,700 79.2**	**4,203,554 9.4**

(1) Reporting period is January 1 through December 31.
(2) TV Viewing and Smoking in Household data are not reported by all contributors.
(3) Analyses based on one record per child.
(4) Excludes records with unknown data or errors.
(5) Rank compares this county's rate to other counties. Rank 1 = best rate.
(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in
      the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.
(8) Children aged 2 years and older included in the analyses.
 *   Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

County	Birthweight (5)			Height and Weight (3,4)							Anemia Low Hb/Hct (8)	
		Low	High		Short Stature	Under-weight	Obese	≥ 2 Yrs Overweight and Obese				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Alcona	114	4.4 (1)	9.6 (62)	594	4.9 (19)	2.5 (49)	8.8 (7)	283	18.0 (52)	11.7 (12)	390	12.8 (62)
Alger	110	7.3 (29)	6.4 (15)	603	3.6 (3)	0.8 (1)	13.4 (70)	303	19.5 (68)	19.5 (80)	385	6.5 (26)
Allegan	3,954	7.7 (35)	7.4 (30)	20,140	4.0 (6)	2.9 (63)	11.8 (40)	10,028	17.2 (45)	14.3 (42)	13,514	20.2 (77)
Alpena	535	9.2 (71)	12.3 (81)	2,441	6.0 (54)	1.9 (28)	11.7 (39)	1,143	16.4 (26)	15.2 (60)	1,492	6.3 (22)
Antrim	343	9.0 (66)	6.7 (18)	1,770	5.2 (30)	4.7 (80)	10.3 (20)	905	14.6 (5)	10.9 (7)	1,181	6.7 (28)
Arenac	278	8.3 (52)	10.1 (69)	1,638	7.3 (79)	2.1 (35)	12.5 (56)	868	19.0 (65)	14.6 (48)	1,087	6.7 (28)
Baraga	169	7.7 (35)	7.7 (33)	877	5.7 (42)	2.3 (42)	16.1 (82)	448	20.5 (75)	19.9 (81)	516	9.7 (43)
Barry	835	6.6 (16)	8.5 (45)	4,283	4.4 (11)	2.5 (49)	9.3 (9)	2,162	16.4 (26)	11.2 (8)	2,836	5.1 (10)
Bay	1,799	8.3 (52)	9.2 (56)	8,495	6.4 (66)	1.6 (12)	10.9 (27)	3,944	16.6 (31)	14.5 (47)	5,664	11.8 (56)
Benzie	256	8.6 (58)	9.8 (65)	1,408	5.3 (35)	4.1 (77)	12.9 (63)	716	15.9 (20)	14.1 (38)	956	5.5 (16)
Berrien	2,971	8.8 (63)	7.3 (28)	12,805	6.0 (54)	1.7 (15)	11.0 (28)	5,829	16.8 (36)	13.8 (34)	8,279	12.3 (59)

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
 * Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

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Comparison of Growth and Anemia Indicators (3,4)

County	Birthweight (5) Number	Low % <2500 g (Rank)	High % >4000 g (Rank)	Height and Weight (3,4) Number	Short Stature % (Rank)	Under-weight % (Rank)	Obese % (Rank)	≥ 2 Yrs Overweight and Obese Number	% Overweight (Rank)	% Obese (Rank)	Anemia Low Hb/Hct (8) Number	% (Rank)
Branch	1,022	6.8 (21)	9.0 (51)	5,196	6.4 (66)	2.4 (44)	13.8 (72)	2,566	17.9 (51)	14.1 (38)	3,351	5.4 (15)
Calhoun	2,939	8.0 (41)	8.1 (39)	13,897	6.4 (66)	2.4 (44)	13.9 (74)	6,517	17.7 (50)	15.6 (67)	9,181	15.3 (72)
Cass	1,123	7.3 (29)	8.4 (44)	6,160	4.9 (19)	3.2 (69)	12.2 (49)	3,066	15.0 (9)	13.3 (25)	4,173	30.8 (83)
Charlevoix	355	5.9 (7)	9.3 (59)	1,820	5.4 (37)	2.7 (56)	10.1 (16)	918	16.8 (36)	11.5 (9)	1,244	4.3 (7)
Cheboygan	372	5.1 (4)	8.1 (39)	1,928	4.4 (11)	2.1 (35)	12.8 (61)	961	14.8 (7)	16.8 (74)	1,249	11.0 (52)
Chippewa	725	5.9 (7)	12.0 (80)	3,434	5.0 (24)	2.7 (56)	13.0 (64)	1,608	17.0 (42)	14.6 (48)	2,229	7.0 (30)
Clare	653	6.7 (19)	6.0 (9)	3,003	6.0 (54)	2.3 (42)	11.8 (40)	1,430	17.1 (44)	14.3 (42)	1,962	10.7 (46)
Clinton	623	7.2 (28)	9.1 (52)	3,020	6.2 (60)	2.6 (53)	12.5 (56)	1,382	15.8 (18)	14.8 (53)	1,985	4.4 (8)
Crawford	221	9.0 (66)	5.0 (3)	1,052	6.4 (66)	0.9 (2)	11.3 (31)	486	24.1 (83)	16.5 (71)	709	13.5 (67)
Delta	658	8.2 (49)	9.1 (52)	3,243	6.7 (72)	1.2 (3)	12.0 (46)	1,563	16.1 (21)	15.2 (60)	2,072	2.3 (1)
Dickinson	439	8.0 (41)	7.7 (33)	2,031	5.8 (44)	1.4 (6)	11.1 (30)	1,010	16.5 (28)	13.6 (29)	1,313	5.9 (19)

(1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
 * Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B

2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

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Comparison of Growth and Anemia Indicators (3,4)

| County | Birthweight (5) | | | Height and Weight (3,4) | | | | | | | Anemia Low Hb/Hct (8) | |
| | Low | High | | Short Stature | Under-weight | Obese | > 2 Yrs Overweight and Obese | | | | |
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Eaton	1,130	6.1 (9)	8.1 (39)	5,169	5.4 (37)	2.8 (60)	11.5 (35)	2,293	18.5 (62)	14.8 (53)	3,254	5.2 (11)
Emmet	516	8.3 (52)	10.1 (69)	2,675	5.8 (44)	1.7 (15)	12.2 (49)	1,301	19.7 (71)	13.5 (28)	1,785	5.2 (11)
Genesee	8,195	10.8 (81)	4.9 (2)	33,966	6.4 (66)	3.1 (68)	11.6 (37)	14,332	16.1 (21)	13.2 (23)	21,127	18.3 (74)
Gladwin	417	9.6 (73)	8.6 (46)	2,225	5.8 (44)	2.0 (29)	12.3 (52)	1,134	16.7 (34)	15.2 (60)	1,493	10.9 (50)
Gogebic	236	4.7 (2)	5.5 (5)	1,186	5.1 (26)	1.7 (15)	11.9 (43)	581	18.4 (61)	15.1 (56)	735	3.7 (5)
Gr Travers	1,424	7.9 (40)	9.8 (65)	6,129	5.1 (26)	5.8 (82)	11.0 (28)	2,916	16.6 (31)	12.7 (17)	3,733	10.9 (50)
Gratiot	702	8.1 (45)	7.0 (25)	3,754	6.3 (64)	2.0 (29)	12.5 (56)	1,814	14.8 (7)	14.3 (42)	2,339	6.0 (21)
Hillsdale	819	7.4 (32)	8.8 (49)	4,161	5.9 (48)	1.8 (21)	10.4 (21)	2,027	18.3 (60)	13.4 (26)	2,785	2.9 (2)
Houghton	541	6.1 (9)	9.4 (60)	2,717	5.9 (48)	1.8 (21)	8.0 (3)	1,337	14.2 (3)	9.1 (2)	1,524	6.6 (27)
Huron	580	8.1 (45)	9.8 (65)	2,720	4.9 (19)	3.0 (65)	12.3 (52)	1,261	16.1 (21)	14.0 (37)	1,624	10.8 (47)
Ingham	4,806	8.0 (41)	7.6 (31)	21,168	5.4 (37)	3.0 (65)	11.9 (43)	9,473	16.9 (39)	14.1 (38)	13,659	11.1 (53)

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(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2009 - 2011 Pediatric Nutrition Surveillance [1]
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years [2]

County	Comparison of Growth and Anemia Indicators [3,4]										
	Birthweight [5]			Height and Weight [3,4]							Anemia Low Hb/Hct [8]
	Low	High			Short Stature	Under-weight	Obese	>= 2 Yrs Overweight and Obese			
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Ionia	1,130	6.9 (24)	6.3 (12)	5,336	5.5 (40)	3.3 (70)	10.1 (16)	2,554	21.7 (80)	12.3 (16)	3,727	8.8 (36)
Iosco	413	6.5 (15)	11.6 (78)	1,810	6.7 (72)	4.1 (77)	13.2 (67)	826	18.2 (57)	15.3 (63)	1,101	13.5 (67)
Iron	220	7.3 (29)	5.9 (8)	1,043	5.7 (42)	2.2 (39)	12.5 (56)	506	21.1 (79)	15.6 (67)	696	5.7 (17)
Isabella	1,044	7.5 (34)	6.3 (12)	4,667	6.2 (60)	2.1 (35)	11.8 (40)	2,108	16.8 (36)	16.7 (73)	2,983	6.3 (22)
Jackson	3,184	9.1 (68)	7.6 (31)	14,757	4.8 (16)	3.9 (76)	9.8 (15)	6,847	17.3 (46)	13.2 (23)	7,418	11.6 (55)
Kalamazoo	4,147	10.2 (78)	6.9 (24)	19,983	5.0 (24)	4.1 (77)	12.3 (52)	9,493	16.9 (39)	13.8 (34)	13,156	25.5 (82)
Kalkaska	313	9.6 (73)	8.6 (46)	1,562	7.1 (76)	1.3 (4)	8.6 (5)	763	14.5 (4)	11.9 (13)	1,058	13.3 (66)
Kent	12,205	8.8 (63)	7.7 (33)	60,916	6.2 (60)	1.7 (15)	12.2 (49)	29,323	16.9 (39)	14.2 (41)	40,561	12.9 (63)
Lake	168	10.1 (77)	7.1 (26)	915	6.7 (72)	1.6 (12)	12.3 (52)	487	20.7 (76)	13.6 (29)	653	15.2 (71)
Lapeer	1,457	8.6 (58)	7.3 (28)	6,843	7.3 (79)	2.6 (53)	12.7 (60)	3,232	18.0 (52)	16.1 (70)	4,475	9.6 (41)
Leelanau	158	6.3 (13)	12.7 (82)	823	3.6 (3)	2.7 (56)	14.1 (76)	434	19.8 (74)	13.4 (26)	573	8.9 (37)

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(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
 *   Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

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Comparison of Growth and Anemia Indicators (3,4)

County	Birthweight (5)			Height and Weight (3,4)							Anemia Low Hb/Hct (8)	
	Low	High			Short Stature	Under-weight	Obese	> 2 Yrs Overweight and Obese				
	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Lenawee	1,540	8.2 (49)	6.3 (12)	6,650	5.1 (26)	2.9 (63)	12.1 (47)	2,872	18.9 (64)	15.5 (66)	3,552	7.2 (31)
Livingston	1,350	6.6 (16)	10.2 (72)	5,667	5.2 (30)	1.8 (21)	10.1 (16)	2,510	17.4 (47)	15.1 (56)	3,706	5.3 (13)
Luce	149	10.7 (80)	10.1 (69)	759	4.5 (13)	3.3 (70)	12.1 (47)	358	19.6 (70)	17.0 (75)	529	10.8 (47)
Mackinac	113	6.2 (12)	9.7 (63)	679	4.0 (6)	1.6 (12)	13.8 (72)	369	22.0 (81)	18.2 (78)	454	9.9 (45)
Macomb	9,702	9.7 (75)	5.8 (7)	37,399	5.8 (44)	2.0 (29)	11.6 (37)	14,919	15.7 (16)	12.9 (21)	23,377	14.8 (70)
Manistee	300	8.0 (41)	9.7 (63)	1,559	5.2 (30)	1.5 (9)	13.1 (66)	770	21.0 (78)	17.1 (76)	1,053	9.6 (41)
Marquette	906	7.0 (25)	8.2 (42)	3,983	5.3 (35)	1.8 (21)	12.8 (61)	1,854	19.3 (67)	15.3 (63)	2,295	9.8 (44)
Mason	541	8.1 (45)	6.1 (10)	2,641	6.7 (72)	1.5 (9)	11.9 (43)	1,290	20.9 (77)	15.1 (56)	1,777	12.9 (63)
Mecosta	794	5.7 (5)	9.9 (68)	3,627	4.8 (16)	1.8 (21)	9.4 (10)	1,671	18.1 (55)	11.5 (9)	2,353	9.4 (39)
Menominee	307	6.8 (21)	9.4 (60)	1,427	4.9 (19)	1.5 (9)	13.0 (64)	665	18.6 (63)	14.9 (55)	902	5.9 (19)
Midland	1,252	8.9 (65)	8.8 (49)	5,621	7.2 (78)	2.2 (39)	14.5 (78)	2,610	15.8 (18)	14.4 (46)	3,368	7.4 (33)

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(3) Excludes records with unknown data or errors.
(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
 *   Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

	Comparison of Growth and Anemia Indicators (3,4)										
	Birthweight (5)			Height and Weight (3,4)							Anemia Low Hb/Hct (8)
	Low	High			Short Stature	Under-weight	Obese	≥ 2 Yrs Overweight and Obese			
County	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Missaukee	165	6.7 (19)	9.1 (52)	849	3.8 (5)	1.4 (6)	8.7 (6)	419	16.2 (24)	10.5 (5)	575	13.2 (65)
Monroe	2,225	9.1 (68)	7.9 (36)	9,859	7.3 (79)	1.7 (15)	11.5 (35)	4,309	17.0 (42)	14.3 (42)	6,282	8.7 (35)
Montcalm	1,113	6.8 (21)	6.7 (18)	5,362	6.4 (66)	2.0 (29)	11.3 (31)	2,509	16.7 (34)	13.6 (29)	3,540	5.3 (13)
Montmorenc	126	8.7 (60)	7.9 (36)	682	4.8 (16)	2.6 (53)	15.2 (81)	363	15.7 (16)	21.2 (82)	445	2.9 (2)
Muskegon	4,559	9.1 (68)	6.4 (15)	20,460	4.7 (14)	3.5 (73)	10.2 (19)	9,799	16.5 (28)	12.2 (15)	13,240	19.4 (76)
Newaygo	1,059	6.6 (16)	10.6 (75)	5,670	5.9 (48)	1.8 (21)	13.3 (69)	2,953	19.1 (66)	14.7 (51)	3,862	12.4 (60)
Oakland	11,805	9.8 (76)	6.6 (17)	49,681	5.9 (48)	2.4 (44)	9.7 (11)	21,196	15.3 (13)	12.8 (18)	31,489	14.3 (69)
Oceana	601	8.7 (60)	8.0 (38)	3,495	6.2 (60)	2.1 (35)	14.5 (78)	1,805	22.6 (82)	18.8 (79)	2,483	12.5 (61)
Ogemaw	402	5.7 (5)	10.7 (76)	1,818	5.9 (48)	2.0 (29)	13.9 (74)	856	19.7 (71)	18.1 (77)	1,158	9.4 (39)
Ontonagon	72	* *	* *	428	6.3 (64)	1.4 (6)	14.5 (78)	246	19.5 (68)	14.6 (48)	268	3.7 (5)
Osceola	453	7.7 (35)	10.8 (77)	2,254	4.7 (14)	1.7 (15)	9.7 (11)	1,142	16.6 (31)	13.7 (32)	1,552	19.2 (75)

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(3) Excludes records with unknown data or errors.
(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
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CDC

Table 6B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

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Comparison of Growth and Anemia Indicators (3,4)										
	Birthweight (5)			Height and Weight (3,4)						Anemia Low Hb/Hct (8)
		Low	High		Short Stature	Under-weight	Obese	> 2 Yrs Overweight and Obese		
County	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Oscoda	128	7.8 (39)	10.2 (72)	606	5.9 (48)	2.8 (60)	11.4 (34)	281	18.1 (55)	12.8 (18)	361	6.4 (25)
Otsego	515	8.7 (60)	9.1 (52)	2,534	4.9 (19)	2.5 (49)	10.6 (23)	1,226	17.5 (48)	13.1 (22)	1,643	6.3 (22)
Ottawa	1,466	7.7 (35)	10.2 (72)	7,537	4.0 (6)	3.0 (65)	9.7 (11)	3,825	15.2 (11)	10.2 (4)	4,964	25.2 (81)
Presque Is	131	8.4 (55)	9.2 (56)	716	2.9 (2)	2.4 (44)	10.6 (23)	377	15.6 (15)	15.1 (56)	444	10.8 (47)
Roscommon	375	6.4 (14)	6.7 (18)	1,728	7.3 (79)	1.8 (21)	10.8 (25)	791	15.5 (14)	13.7 (32)	1,115	5.7 (17)
Saginaw	4,164	10.3 (79)	6.7 (18)	19,681	5.5 (40)	2.4 (44)	13.2 (67)	9,580	18.2 (57)	15.4 (65)	13,445	11.9 (57)
Sanilac	704	6.1 (9)	5.3 (4)	3,316	4.0 (6)	3.5 (73)	7.1 (2)	1,507	12.2 (2)	9.4 (3)	2,261	4.8 (9)
Schoolcraf	153	8.5 (56)	11.8 (79)	786	2.7 (1)	9.2 (83)	4.8 (1)	376	10.4 (1)	5.1 (1)	518	9.1 (38)
Shiawassee	1,173	8.2 (49)	6.1 (10)	5,480	4.3 (10)	5.0 (81)	11.3 (31)	2,719	17.5 (48)	15.7 (69)	3,711	3.2 (4)
St Clair	2,483	8.5 (56)	6.7 (18)	11,375	6.1 (58)	2.2 (39)	9.1 (8)	5,205	15.2 (11)	11.5 (9)	7,502	8.3 (34)
St Joseph	1,458	8.1 (45)	8.2 (42)	7,230	7.1 (76)	2.8 (60)	13.4 (70)	3,479	19.7 (71)	16.6 (72)	4,849	11.2 (54)

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(4) Rank compares this county's rate to other counties. Rank 1 = best rate.
(5) Infants born during the reporting period included in the analysis.
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
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Table 6B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Growth and Anemia Indicators by County
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators (3,4)											
	Birthweight (5)			Height and Weight (3,4)							Anemia Low Hb/Hct (8)	
		Low	High		Short Stature	Under-weight	Obese	> 2 Yrs Overweight and Obese				
County	Number	% <2500 g (Rank)	% >4000 g (Rank)	Number	% (Rank)	% (Rank)	% (Rank)	Number	% Overweight (Rank)	% Obese (Rank)	Number	% (Rank)
Tuscola	935	7.0 (25)	7.1 (26)	4,754	6.0 (54)	2.0 (29)	8.4 (4)	2,319	14.7 (6)	10.5 (5)	3,312	7.2 (31)
Van Buren	1,650	7.1 (27)	8.7 (48)	8,685	5.2 (30)	2.7 (56)	14.3 (77)	4,365	18.2 (57)	14.7 (51)	5,965	22.5 (80)
Washtenaw	3,780	9.3 (72)	6.8 (23)	16,236	5.2 (30)	2.5 (49)	10.5 (22)	7,068	16.5 (28)	12.8 (18)	10,272	21.6 (79)
Wayne	40,984	11.2 (82)	5.5 (5)	170,578	6.1 (58)	3.8 (75)	10.8 (25)	72,391	15.0 (9)	11.9 (13)	102,520	21.5 (78)
Wexford	869	7.4 (32)	9.2 (56)	4,188	5.1 (26)	1.3 (4)	9.7 (11)	1,986	16.3 (25)	13.8 (34)	2,833	15.3 (72)
Unknown Counties	169	4.7 (2)	4.7 (1)	719	8.6 (83)	3.3 (70)	22.3 (83)	356	18.0 (52)	25.8 (83)	554	11.9 (57)
Michigan	**164,970**	**9.3**	**6.9**	**741,082**	**5.8**	**2.8**	**11.3**	**336,514**	**16.5**	**13.4**	**470,756**	**15.2**

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(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
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CDC

Table 7B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County (2)
Children Aged < 5 Years (3)

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Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

County	Breastfeeding (6)													Exclusive Breastfeeding (7)				≤2 Hours TV Viewing/Day (8)		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Alcona	140	67.1 (28)	129	27.9 (9)	117	12.0 (17)	112	22.3 (17)	119	9.2 (23)	290	86.6 (51)	308	8.1 (50)
Alger	132	51.5 (76)	126	11.9 (79)	106	6.6 (67)	109	15.6 (53)	109	6.4 (48)	294	88.4 (34)	300	7.7 (42)
Allegan	4,943	69.0 (21)	4,096	22.9 (23)	3,875	10.9 (24)	3,682	17.9 (38)	3,774	7.2 (45)	10,527	86.0 (56)	11,506	4.1 (6)
Alpena	615	48.5 (80)	542	18.8 (49)	492	9.1 (45)	517	19.3 (25)	528	8.9 (25)	1,153	92.7 (6)	1,266	7.6 (39)
Antrim	415	79.3 (3)	367	26.7 (11)	331	13.0 (14)	328	26.8 (8)	337	11.6 (8)	916	89.2 (27)	919	10.7 (69)
Arenac	339	61.7 (55)	303	21.1 (32)	279	7.9 (56)	271	15.1 (56)	276	6.5 (47)	929	84.4 (63)	863	14.7 (77)
Baraga	198	59.1 (61)	178	15.2 (66)	154	7.8 (57)	165	15.8 (51)	168	6.0 (53)	459	88.5 (32)	449	4.0 (3)
Barry	1,033	64.6 (45)	962	18.7 (51)	864	8.0 (55)	872	19.7 (21)	933	7.6 (37)	2,296	88.0 (37)	2,405	4.5 (10)
Bay	2,113	57.7 (65)	1,870	14.1 (72)	1,655	5.8 (74)	1,788	13.8 (64)	1,730	3.0 (78)	4,070	92.4 (7)	4,468	7.9 (47)
Benzie	296	70.3 (18)	272	22.8 (24)	250	10.0 (30)	251	20.7 (20)	258	8.5 (28)	725	89.9 (18)	727	5.0 (15)
Berrien	3,548	49.2 (79)	2,883	15.2 (66)	2,645	8.5 (52)	2,619	11.1 (73)	2,741	5.2 (59)	6,199	76.9 (80)	7,489	9.7 (67)
Branch	1,240	58.8 (63)	1,093	19.9 (43)	935	9.5 (37)	1,068	16.9 (46)	1,059	9.3 (21)	2,733	84.4 (63)	2,854	7.8 (44)
Calhoun	3,498	54.3 (73)	2,898	12.7 (77)	2,517	5.2 (77)	2,816	9.2 (79)	2,805	3.8 (71)	6,967	89.6 (24)	7,769	5.9 (21)

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Table 7B

2009 - 2011 Pediatric Nutrition Surveillance [1]

Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County [2]

Children Aged < 5 Years [3]

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Comparison of Breastfeeding, TV Viewing, and Smoking in Household [4,5]

County	Breastfeeding [6]						Exclusive Breastfeeding [7]				<2 Hours TV Viewing/Day [8]		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Cass	1,463	65.4 (39)	1,262	23.4 (20)	1,178	13.1 (12)	1,134	17.0 (45)	1,144	9.4 (20)	3,271	84.7 (61)	3,477	7.5 (38)
Charlevoix	443	77.7 (6)	382	30.1 (6)	326	16.0 (7)	367	30.0 (3)	366	9.3 (21)	937	89.9 (18)	970	6.6 (26)
Cheboygan	454	65.9 (36)	392	20.7 (38)	347	9.5 (37)	350	17.7 (40)	346	4.3 (66)	972	87.6 (44)	1,017	6.9 (30)
Chippewa	857	65.3 (41)	722	23.4 (20)	594	11.6 (18)	659	25.2 (10)	646	10.8 (14)	1,616	87.9 (40)	1,762	7.0 (32)
Clare	750	57.2 (66)	650	13.5 (75)	605	6.0 (72)	619	14.4 (61)	629	3.5 (73)	1,550	88.4 (34)	1,646	14.3 (75)
Clinton	766	74.2 (9)	708	22.3 (26)	588	13.1 (12)	651	20.9 (18)	674	6.4 (48)	1,467	86.7 (50)	1,698	4.1 (6)
Crawford	270	68.9 (22)	228	21.1 (32)	209	6.7 (66)	187	18.2 (35)	202	7.9 (34)	500	88.0 (37)	556	8.8 (58)
Delta	798	63.2 (51)	704	18.2 (53)	628	8.9 (50)	624	14.6 (58)	622	6.1 (51)	1,595	92.9 (5)	1,677	6.0 (23)
Dickinson	516	63.8 (49)	442	23.5 (19)	385	11.2 (20)	405	23.7 (14)	423	8.0 (32)	985	89.0 (29)	1,082	4.6 (11)
Eaton	1,390	71.2 (16)	1,265	21.0 (34)	1,059	9.9 (31)	1,168	18.2 (35)	1,213	7.7 (35)	2,454	87.7 (43)	2,977	4.9 (14)
Emmet	656	77.9 (5)	546	31.0 (5)	442	16.7 (3)	486	31.7 (2)	468	14.5 (2)	1,307	91.1 (11)	1,411	5.0 (15)
Genesee	9,859	47.9 (81)	8,611	11.0 (81)	6,349	4.9 (78)	8,040	9.2 (79)	8,023	3.3 (75)	14,525	79.9 (76)	19,432	6.9 (30)
Gladwin	490	64.3 (46)	457	23.9 (17)	428	9.6 (35)	389	23.4 (16)	418	11.0 (10)	1,218	87.8 (42)	1,191	16.7 (79)

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CDC

Table 7B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County (2)
Children Aged < 5 Years (3)

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Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

County	Breastfeeding (6)						Exclusive Breastfeeding (7)				<=2 Hours TV Viewing/Day (8)		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Gogebic	301	62.5 (52)	256	19.1 (46)	222	9.0 (47)	237	19.4 (23)	250	6.0 (53)	600	89.2 (27)	664	7.8 (44)
Gr Travers	1,704	81.3 (2)	1,311	34.0 (2)	1,161	17.3 (2)	1,149	28.1 (5)	1,240	11.0 (10)	2,917	90.6 (14)	3,468	4.0 (3)
Gratiot	895	65.9 (36)	762	20.9 (35)	673	10.7 (26)	722	19.1 (28)	725	8.4 (29)	1,953	90.3 (15)	2,048	7.2 (33)
Hillsdale	1,029	68.4 (24)	864	22.3 (26)	739	10.6 (27)	823	20.8 (19)	820	10.7 (15)	2,157	89.8 (21)	2,355	7.7 (42)
Houghton	686	78.1 (4)	608	35.4 (1)	498	16.5 (6)	563	23.6 (15)	589	12.2 (5)	1,380	96.2 (1)	1,445	1.5 (1)
Huron	688	53.2 (74)	617	14.6 (68)	509	6.3 (70)	605	14.7 (57)	597	4.9 (63)	1,303	94.2 (3)	1,481	7.2 (33)
Ingham	5,829	66.0 (35)	4,927	20.4 (40)	4,137	11.0 (23)	4,422	10.3 (77)	4,611	4.7 (64)	10,015	81.4 (73)	12,331	5.5 (19)
Ionia	1,363	64.0 (47)	1,199	17.2 (57)	1,084	9.4 (39)	1,090	19.4 (23)	1,146	10.9 (12)	2,744	94.0 (4)	3,049	7.4 (36)
Iosco	514	64.8 (44)	394	13.7 (73)	341	4.7 (79)	364	14.6 (58)	363	3.3 (75)	828	85.4 (58)	1,004	8.5 (56)
Iron	249	59.0 (62)	223	23.8 (18)	199	10.1 (28)	203	27.1 (7)	213	10.3 (16)	502	91.2 (9)	527	6.6 (26)
Isabella	1,252	69.2 (19)	1,108	21.3 (31)	973	10.1 (28)	983	19.2 (26)	1,033	8.0 (32)	2,261	86.6 (51)	2,666	8.4 (53)
Jackson	3,812	60.4 (59)	3,519	15.3 (65)	3,003	7.4 (61)	3,179	12.5 (68)	3,392	5.2 (59)	7,317	83.7 (66)	8,358	7.6 (39)
Kalamazoo	5,012	62.2 (53)	4,295	20.6 (39)	3,825	9.9 (31)	4,088	16.0 (49)	4,017	7.4 (41)	10,143	74.7 (81)	11,145	7.2 (33)

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Table 7B
2009 - 2011 Pediatric Nutrition Surveillance   (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County   (2)
Children Aged < 5 Years   (3)

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Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

County	Breastfeeding (6) Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Exclusive Breastfeeding (7) Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	≤2 Hours TV Viewing/Day (8) Number	% (Rank)	Smoking in Household Number	% (Rank)
Kalkaska	369	77.0 (8)	309	26.9 (10)	310	13.5 (9)	259	23.9 (13)	274	12.0 (6)	775	89.7 (23)	826	12.2 (72)
Kent	14,686	64.0 (47)	13,284	22.0 (28)	11,078	11.1 (21)	12,074	12.5 (68)	12,269	7.3 (43)	31,392	86.0 (56)	33,661	4.0 (3)
Lake	196	58.2 (64)	169	17.2 (57)	161	9.3 (42)	154	11.0 (74)	163	4.3 (66)	498	79.3 (78)	481	18.5 (80)
Lapeer	1,756	66.1 (34)	1,544	17.5 (56)	1,290	9.8 (33)	1,438	14.0 (62)	1,467	5.6 (58)	3,268	89.0 (29)	3,719	5.7 (20)
Leelanau	184	83.7 (1)	148	33.1 (3)	145	22.1 (1)	133	24.8 (11)	130	10.0 (17)	434	86.9 (47)	432	6.5 (25)
Lenawee	1,946	67.1 (28)	1,646	20.8 (36)	1,321	9.4 (39)	1,510	14.0 (62)	1,549	5.0 (62)	3,044	79.6 (77)	3,866	5.4 (18)
Livingston	1,693	68.3 (25)	1,303	22.0 (28)	1,213	8.8 (51)	1,205	18.9 (32)	1,258	7.5 (38)	2,631	90.7 (13)	3,465	5.3 (17)
Luce	170	65.3 (41)	168	20.8 (36)	160	12.5 (15)	143	18.2 (35)	156	10.9 (12)	358	88.0 (37)	394	8.4 (53)
Mackinac	138	73.2 (12)	115	32.2 (4)	132	16.7 (3)	107	38.3 (1)	113	16.8 (1)	394	86.5 (53)	351	10.0 (68)
Macomb	11,816	56.0 (69)	9,336	15.8 (63)	8,177	7.4 (61)	9,117	10.1 (78)	8,717	4.7 (64)	15,482	81.5 (72)	21,885	4.8 (12)
Manistee	380	66.6 (31)	332	20.2 (41)	304	7.6 (60)	299	19.1 (28)	309	4.2 (69)	791	88.9 (31)	850	7.8 (44)
Marquette	1,090	68.1 (26)	896	25.8 (13)	810	13.3 (11)	853	19.6 (22)	866	8.7 (27)	1,899	89.6 (24)	2,209	4.3 (8)
Mason	646	65.5 (38)	590	23.4 (20)	555	12.3 (16)	548	25.7 (9)	559	8.2 (30)	1,324	88.1 (36)	1,397	7.4 (36)

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(4)   Excludes records with unknown data or errors.
(5)   Rank compares this county's rate to other counties. Rank 1 = best rate.
(6)   Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
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2009 - 2011 Pediatric Nutrition Surveillance [1]

Michigan

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County [2]

Children Aged < 5 Years [3]

Comparison of Breastfeeding, TV Viewing, and Smoking in Household [4,5]

County	Breastfeeding [6]						Exclusive Breastfeeding [7]				≤2 Hours TV Viewing/Day [8]		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Mecosta	934	65.4 (39)	841	18.1 (54)	709	9.4 (39)	809	19.2 (26)	818	10.0 (17)	1,692	94.7 (2)	1,922	6.8 (29)
Menominee	370	60.8 (56)	323	17.0 (61)	288	9.7 (34)	314	17.5 (42)	314	5.1 (61)	665	90.1 (17)	771	6.6 (26)
Midland	1,455	71.3 (13)	1,308	22.8 (24)	1,116	9.3 (42)	1,238	24.0 (12)	1,256	9.0 (24)	2,739	89.4 (26)	2,976	4.8 (12)
Missaukee	207	77.3 (7)	176	19.3 (44)	158	7.0 (65)	166	18.7 (34)	169	5.9 (55)	435	89.9 (18)	455	11.6 (71)
Monroe	2,737	60.2 (60)	2,462	15.8 (63)	2,084	7.3 (63)	2,300	13.4 (65)	2,375	6.1 (51)	4,576	83.0 (69)	5,679	8.1 (50)
Montcalm	1,346	66.6 (31)	1,197	19.3 (44)	997	8.1 (54)	1,097	16.4 (47)	1,141	6.7 (46)	2,680	87.9 (40)	3,043	8.5 (56)
Montmorenc	148	62.2 (53)	124	12.9 (76)	122	5.7 (75)	122	12.3 (70)	123	2.4 (80)	377	84.1 (65)	339	8.8 (58)
Muskegon	5,225	51.9 (75)	4,164	14.4 (70)	3,933	6.5 (68)	4,080	12.8 (67)	3,979	4.0 (70)	10,337	84.9 (59)	11,411	8.0 (48)
Newaygo	1,282	71.3 (13)	1,085	21.6 (30)	1,058	10.8 (25)	1,005	17.2 (43)	1,037	7.5 (38)	3,085	84.9 (59)	3,000	9.5 (64)
Oakland	14,564	55.4 (70)	12,178	19.0 (47)	9,239	9.1 (45)	12,045	12.1 (71)	11,699	5.8 (56)	21,948	81.6 (71)	28,713	4.3 (8)
Oceana	744	67.7 (27)	718	24.9 (15)	672	15.8 (8)	657	15.7 (52)	682	7.5 (38)	1,889	80.7 (75)	1,811	9.0 (61)
Ogemaw	489	60.5 (57)	402	16.9 (62)	346	6.4 (69)	358	19.0 (31)	356	7.3 (43)	891	83.3 (68)	1,000	11.3 (70)
Ontonagon	87	* *	69	* *	65	* *	64	* *	63	* *	242	81.4 (73)	219	15.5 (78)

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CDC

2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County (2)
Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

County	Breastfeeding (6)						Exclusive Breastfeeding (7)				≤2 Hours TV Viewing/Day (8)		Smoking in Household	
	Number	% Ever Breastfed (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% Breastfed At Least 12 Months (Rank)	Number	% Breastfed At Least 3 Months (Rank)	Number	% Breastfed At Least 6 Months (Rank)	Number	% (Rank)	Number	% (Rank)
Osceola	525	66.3 (33)	463	17.1 (59)	444	9.0 (47)	434	15.9 (50)	445	7.4 (41)	1,220	92.1 (8)	1,202	14.6 (76)
Oscoda	161	67.1 (28)	146	9.6 (82)	121	3.3 (82)	132	10.6 (75)	140	2.1 (82)	275	78.2 (79)	322	19.9 (81)
Otsego	655	71.1 (17)	550	25.6 (14)	474	11.6 (18)	503	28.4 (4)	511	11.5 (9)	1,259	90.2 (16)	1,371	12.2 (72)
Ottawa	1,824	73.6 (11)	1,494	29.9 (7)	1,427	13.4 (10)	1,365	27.3 (6)	1,421	12.6 (4)	4,038	91.2 (9)	4,255	3.2 (2)
Presque Is	165	49.7 (77)	129	20.2 (41)	118	9.3 (42)	130	14.6 (58)	116	3.4 (74)	374	86.4 (54)	364	20.1 (82)
Roscommon	443	71.3 (13)	415	18.8 (49)	355	9.6 (35)	364	17.6 (41)	389	7.7 (35)	871	89.8 (21)	988	9.6 (66)
Saginaw	4,901	49.7 (77)	3,928	11.3 (80)	3,452	3.7 (80)	3,608	7.8 (81)	3,528	3.3 (75)	9,863	82.2 (70)	10,578	9.3 (63)
Sanilac	858	60.5 (57)	774	18.3 (52)	614	9.0 (47)	740	17.2 (43)	738	5.8 (56)	1,523	84.7 (61)	1,826	8.9 (60)
Schoolcraf	183	56.8 (67)	172	14.5 (69)	147	3.4 (81)	164	15.2 (54)	168	8.9 (25)	394	87.1 (46)	408	12.3 (74)
Shiawassee	1,384	64.9 (43)	1,169	17.1 (59)	1,071	7.7 (59)	1,063	11.3 (72)	1,112	2.4 (80)	2,856	91.1 (11)	3,175	9.1 (62)
St Clair	3,068	56.6 (68)	2,754	12.7 (77)	2,337	5.7 (75)	2,462	10.5 (76)	2,571	4.3 (66)	5,395	86.9 (47)	6,334	9.5 (64)
St Joseph	1,778	63.7 (50)	1,538	18.9 (48)	1,348	7.8 (57)	1,457	15.2 (54)	1,440	9.7 (19)	3,732	86.1 (55)	4,118	5.9 (21)
Tuscola	1,137	55.3 (71)	1,004	14.3 (71)	904	8.4 (53)	924	13.4 (65)	935	3.7 (72)	2,394	86.8 (49)	2,470	7.6 (39)

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CDC

Table 7B
2009 - 2011 Pediatric Nutrition Surveillance (1)
Michigan
Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County
Children Aged < 5 Years (3)

Page: 40
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(2)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4,5)

County	Breastfeeding (6) — Number, % Ever Breastfed (Rank)		Number, % Breastfed At Least 6 Months (Rank)		Number, % Breastfed At Least 12 Months (Rank)		Exclusive Breastfeeding (7) — Number, % Breastfed At Least 3 Months (Rank)		Number, % Breastfed At Least 6 Months (Rank)		≤2 Hours TV Viewing/Day (8) — Number, % (Rank)		Smoking in Household — Number, % (Rank)	
Van Buren	2,028	69.2 (19)	1,753	24.6 (16)	1,655	11.1 (21)	1,615	19.1 (28)	1,596	8.2 (30)	4,619	87.2 (45)	4,793	6.3 (24)
Washtenaw	4,663	68.8 (23)	3,936	29.8 (8)	3,216	16.6 (5)	3,706	18.8 (33)	3,643	11.8 (7)	7,489	83.6 (67)	9,569	8.0 (48)
Wayne	49,818	46.1 (82)	40,417	13.7 (73)	33,104	6.1 (71)	39,013	5.6 (82)	38,527	2.6 (79)	76,419	73.4 (82)	97,940	8.4 (53)
Wexford	1,063	74.2 (9)	930	17.6 (55)	794	7.2 (64)	892	16.1 (48)	909	6.2 (50)	2,030	88.5 (32)	2,281	8.2 (52)
Unknown Counties	298	55.0 (72)	187	26.2 (12)	151	6.0 (72)	202	17.8 (39)	178	13.5 (3)	412	62.6 (83)	503	20.3 (83)
Michigan	**200,166**	**57.3**	**168,817**	**17.7**	**142,897**	**8.5**	**158,974**	**12.2**	**159,216**	**5.5**	**353,084**	**82.4**	**418,132**	**7.0**

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